at1110paper_practice_test (v34)

1. Expand the following expression into standard form.

$$(5x + 6)(4x - 9)$$

2. Solve the equation.

$$(7x - 6)(4x + 9) \ = \ 0$$

3. Expand the following expression into standard form.

$$(2x + 5)(2x - 5)$$

4. Expand the following expression into standard form.

$$(7x - 5)^2$$

5. Factor the expression.
$$x^2 + x - 20$$

6. Factor the expression.
$$16x^2 - 9$$

7. Solve the equation with factoring by grouping.
$$10x^2 - 8x + 15x - 12 \ = \ 0$$

8. Solve the equation.
$$5x^2 + 26x + 10 \ = \ 2x^2 + 3x - 4$$